

This Page Is Inserted by IFW Operations
and is not a part of the Official Record

BEST AVAILABLE IMAGES

Defective images within this document are accurate representations of the original documents submitted by the applicant.

Defects in the images may include (but are not limited to):

- BLACK BORDERS
- TEXT CUT OFF AT TOP, BOTTOM OR SIDES
- FADED TEXT
- ILLEGIBLE TEXT
- SKEWED/SLANTED IMAGES
- COLORED PHOTOS
- BLACK OR VERY BLACK AND WHITE DARK PHOTOS
- GRAY SCALE DOCUMENTS

IMAGES ARE BEST AVAILABLE COPY.

**As rescanning documents *will not* correct images,
please do not report the images to the
Image Problem Mailbox.**



#14

SEQUENCE LISTING

Sub
C1

<110> BERNARD, DELOBEL
ANNIE, GRENIER
JACQUES, GUEGEN
ERIC, FERRASSON
MBAIGUINAM, MBAILAO

<120> USE OF POLYPEPTIDE DERIVED FROM A PA 1B LEGUME ALBUMEN AS INSECTICIDE

<130> 199463USOXPCT

<140> US 09/674,496

<141> 2001-01-11

<150> PCT/FR99/01085

<151> 1999-05-07

<150> FR 98/05877

<151> 1998-05-11

<160> 8

<170> PatentIn version 3.1

<210> 1

<211> 13

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> SYNTHETIC PEPTIDE, RESIDUES 1, 3, 5, 7, 9, 11, AND 13 MAY BE A MAXIMUM OF 10, 5, 10, 10, 4, 15, AND 10 AMINO ACIDS, RESPECTFULLY, AND SOME OF THESE AMINO ACIDS MAY BE MISSING.

<220>

<221> MISC_FEATURE

<222> (1)..(1)

<223> X IS ANY ONE AMINO ACID

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> X IS ANY ONE AMINO ACID

<220>

<221> MISC_FEATURE

<222> (5)..(5)

<223> X IS ANY ONE AMINO ACID

<220>

<221> MISC_FEATURE

<222> (7)..(7)

<223> X IS ANY ONE AMINO ACID

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> X IS ANY ONE AMINO ACID

<220>
<221> MISC_FEATURE
<222> (11)..(11)
<223> X IS ANY ONE AMINO ACID

<220>
<221> MISC_FEATURE
<222> (13)..(13)
<223> X IS ANY ONE AMINO ACID

<400> 1

Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa Cys Xaa
1 5 10

<210> 2
<211> 7
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SYNTHETIC PEPTIDE

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X is an amino acid chosen from alanine, serine, glycine and threonine

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X is proline

<220>
<221> MISC_FEATURE
<222> (6)..(6)
<223> X is proline

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> X is proline

<220>
 <221> MISC_FEATURE
 <222> (3)..(3)
 <223> X is an amino acid chosen from phenylalanine, tryptophan and tyrosine

<220>
 <221> MISC_FEATURE
 <222> (4)..(4)
 <223> X is an amino acid chosen from aspartic acid or glutamic acid

<220>
 <221> MISC_FEATURE
 <222> (5)..(5)
 <223> X is an amino acid chosen from valine, leucine, isoleucine and methionine

<400> 2

Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 1 5

<210> 3
 <211> 4
 <212> PRT
 <213> ARTIFICIAL SEQUENCE

<220>
 <223> SYNTHETIC PEPTIDE

<220>
 <221> MISC_FEATURE
 <222> (2)..(2)
 <223> X is an amino acid chosen from alanine, serine, glycine and threonine

<220>
 <221> MISC_FEATURE
 <222> (4)..(4)
 <223> X is an amino acid chosen from alanine, serine, glycine, threonine, aspartic acid and glutamic acid

<220>
 <221> MISC_FEATURE
 <222> (3)..(3)
 <223> X is an amino acid chosen from alanine, serine, glycine, threonine and a basic residue

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X is an amino acid chosen from alanine, serine, glycine, threonine and a basic residue

<400> 3

Xaa Xaa Xaa Xaa
1

<210> 4
<211> 9
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SYNTHETIC PEPTIDE

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X is an amino acid chosen from valine, leucine, isoleucine and methionine

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X is an amino acid chosen from valine, leucine, isoleucine and methionine

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X is proline

<220>
<221> MISC_FEATURE
<222> (4)..(4)
<223> X is an amino acid chosen from alanine, serine, glycine and threonine

<220>
<221> MISC_FEATURE
<222> (8)..(8)
<223> X is an amino acid chosen from alanine, serine, glycine and threonine

<220>
<221> MISC_FEATURE

<222> (6)..(6)
<223> X is an amino acid chosen from valine, leucine, isoleucine, methionine, phenylalanine, tryptophan and tyrosine

<220>
<221> MISC_FEATURE
<222> (9)..(9)
<223> X is an amino acid chosen from phenylalanine, tryptophan and tyrosine

<220>
<221> MISC_FEATURE
<222> (5)..(5)
<223> X is an amino acid chosen from valine, leucine, isoleucine and methionine

<220>
<221> MISC_FEATURE
<222> (7)..(7)
<223> X is an amino acid chosen from valine, leucine, isoleucine and methionine

<400> 4

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
1 5

<210> 5
<211> 5
<212> PRT
<213> ARTIFICIAL SEQUENCE

<220>
<223> SYNTHETIC PEPTIDE

<220>
<221> MISC_FEATURE
<222> (1)..(1)
<223> X is a basic amino acid or an amino acid chosen from valine, leucine, isoleucine and methionine

<220>
<221> MISC_FEATURE
<222> (2)..(2)
<223> X is asparagine or glutamine or a basic amino acid

<220>
<221> MISC_FEATURE
<222> (3)..(3)
<223> X is proline

<220>
 <221> MISC_FEATURE
 <222> (4)..(4)
 <223> X is an amino acid chosen from alanine, serine, glycine and threonine

<220>
 <221> MISC_FEATURE
 <222> (5)..(5)
 <223> X is an amino acid chosen from alanine, serine, glycine and threonine

<400> 5

Xaa Xaa Xaa Xaa Xaa
 1 5

<210> 6
 <211> 37
 <212> PRT
 <213> ARTIFICIAL SEQUENCE

<220>
 <223> SYNTHETIC PEPTIDE

<400> 6

Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
 1 5 10 15

Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Ile Gly Tyr Cys
 20 25 30

Arg Asn Pro Ser Gly
 35

<210> 7
 <211> 37
 <212> PRT
 <213> ARTIFICIAL SEQUENCE

<220>
 <223> SYNTHETIC PEPTIDE

<400> 7

Ala Ser Cys Asn Gly Val Cys Ser Pro Phe Glu Met Pro Pro Cys Gly
 1 5 10 15

Thr Ser Ala Cys Arg Cys Ile Pro Val Gly Leu Val Val Gly Tyr Cys
20 25 30

Arg Asn Pro Ser Gly
35

<210> 8

<211> 37

<212> PRT

<213> ARTIFICIAL SEQUENCE

<220>

<223> SYNTHETIC PEPTIDE

<400> 8

Ala Asp Cys Asn Gly Ala Cys Ser Pro Phe Glu Val Pro Pro Cys Arg
1 5 10 15

Ser Arg Asp Cys Arg Cys Val Pro Ile Gly Leu Phe Val Gly Phe Cys
20 25 30

Ile His Pro Thr Gly
35